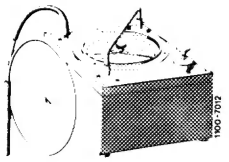
83–614 Preparations for vacuum test

Data

Permissible leaks per vacuum circuit (without vacuum reservoir)	30 mbar/min. at 400 mbar vacuum
Permissible leaks in check valves	50 mbar in 10 min. at 300 mbar vacuum
Permissible leaks in remaining components	20 mbar/min. at 300 mbar vacuum
Plug-on length of connections	10 – 12 mm

Special tools

Tester for vacuum systems		116 589 25 21 00
Distributor		115 805 03 22

Self-made tool

1 blind plug	Welding wire 4 mm dia. 40 mm long

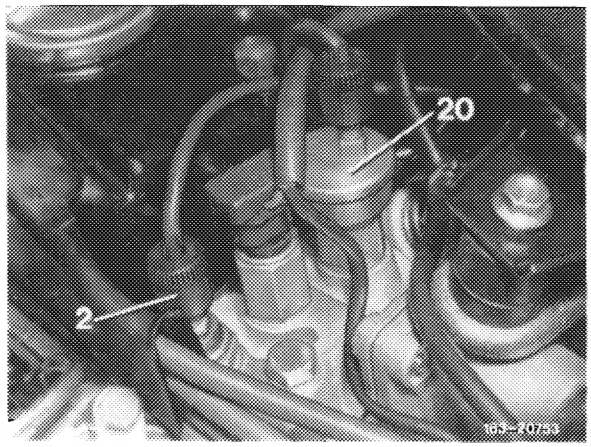
Note

The vacuum system is subdivided into 7 test circuits. If a given trouble prevails (e.g. center nozzle not opening) the respective circuit can be tested first.

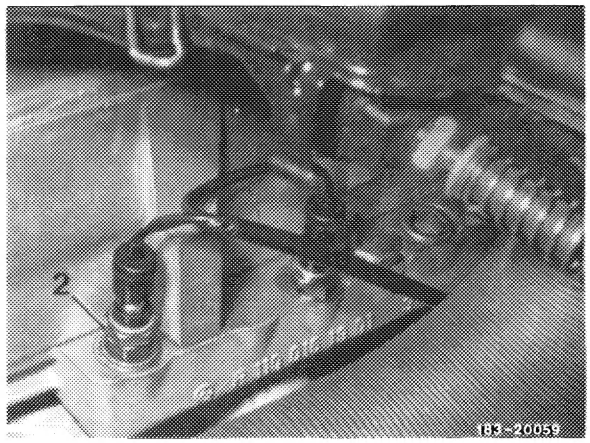
If a leak or functional trouble is suspected in entire vacuum unit, proceed according to 83–615 and perform each time the first test step (total test) of the individual vacuum circuits until the faulty vacuum circuit is found. Then continue testing the respective circuit until the actual fault is found.

Preparing for test

1 Run engine warm to approx. + 60 °C. Cold engine lock (2) is switched off. Then shut off engine again.

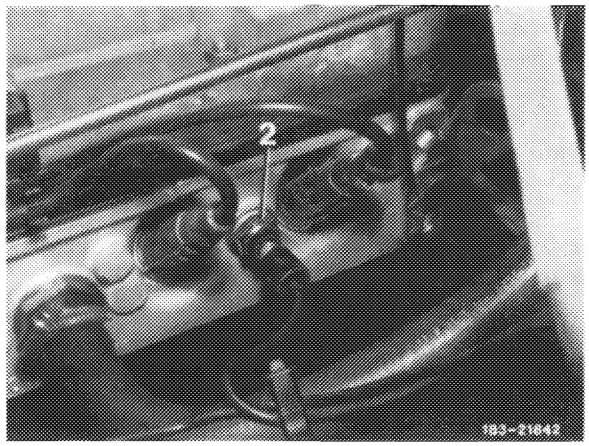


2 Temperature switch (cold engine lock) engine 102

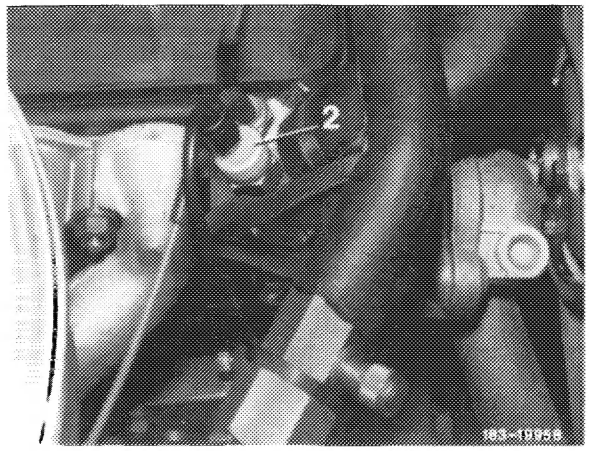


2 Temperature switch (cold engine lock) engine 110

2 Push function selection button "d".



2 Temperature switch (cold engine lock) engine 123



2 Temperature switch (cold engine lock) diesel engines